



Started	Stopped	Source (S#)	Abatement Device (A#)	Emission Point (P#)	Fuel CEM	GLM	Gas Parameter	NOx	SO2	CO	H2S	TRS	NH3	O2	CO2	H2O	LTA	Draciv/Lead	Steam Flow	Wind Dir.	Wind Speed	pH	Temp	VOC	Gauge Press.
2/28/2017 12:45 PM	3/1/2017 2:07 PM	S6070			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 3/1/2017																									
Event Description: The F-1100A NOx analyzer became inoperative on 2/28/17 at 1245 hours; the analyzer returned to service on 3/1/17 at 1407 hours.																									
3/9/2017 3:45 PM	3/14/2017 9:58 AM	S6051			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 3/13/2017																									
Event Description: The Alky Cooling Water Tower return Hydrocarbon Analyzers (Tag #12A11400 and 12A11401) became inoperative on 3/9/2017 at 15:45 pm. The analyzers were repaired and returned to service on 3/14/17 at 0958 hours.																									
4/17/2017 6:42 AM	4/18/2017 10:26 AM	V-475			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 4/17/2017																									
Event Description: The H2S analyzer V475 became inoperative on 4/17/17 at 0642 hours; the analyzer returned to service on 4/18/2017 at 1026 hours.																									
4/23/2017 1:23 PM	4/25/2017 1:21 PM	S6015			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 4/25/2017																									
Event Description: The D&R Flare sample station became inoperative on 4/23/17 at 1323 hours; the sample station was repaired and returned to service on 4/25/17 at 1321 hours. The D&R Flare (S-6015) sample system is part of the Flare Monitoring System.																									
4/30/2017 6:11 AM	5/1/2017 7:12 AM	S4171			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 5/1/2017																									
Event Description: The F-355 361 West NOx analyzer became inoperative on 4/30/17 at 0611 hours; the analyzer was returned to service on 5/1/2017 at 0712 hours.																									
6/2/2017 2:51 PM	6/7/2017 10:50 AM	S6051			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Discovered On: 6/5/2017																									
Event Description: UPDATE (RCA#07D56): Resumption of Monitoring; repairs were completed and the hydrocarbon analyzer returned to service on 6/7/17 at 1050 hours.																									
The Alky Cooling Water Tower hydrocarbon analyzer (12A11400) went inoperative on 6/2/17 at 1451 hours. Incident is ongoing. Notification of resumption of monitoring will be submitted once repairs are complete.																									
6/5/2017 1:26 AM	6/6/2017 7:10 AM	S6039			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 6/6/2017																									
Event Description: The F-3560 fuel gas flow meter was inoperative from 6/5/17 at 0126 hours to 6/6/17 at 0710 hours.																									
6/22/2017 8:32 AM	6/23/2017 3:44 PM	S6442			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 6/22/2017																									
Event Description: On June 22, 2017 at 0832 hours F-1551 Nox analyzer became inoperative. Analyzer repaired and back in service on June 23, 2017 at 1544 hours.																									
6/30/2017 11:29 AM	7/1/2017 1:32 PM	RLW			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discovered On: 7/3/2017																									
Event Description: The Long Wharf temperature indicator, 20T1019, became inoperative on 6/30/2017 at 1129 hours. Analyzer repaired and back in service on 7/1/2017 at 1332 hours.																									

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**Certification Statement**

I certify under penalty of law that based on the information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

☒ Signature of Responsible Official Kory Judd Print Name  
General Manager Richmond Refinery Title  
26 July 2017 Date